

## CRITERION A: Investigate Stage

At the end of this stage you should be able to:

- investigate the problem and outline a [simple design brief](#)
- ask useful questions about the investigation
- identify appropriate sources of information and acknowledge these using MLA format then begin to analyze
- list, with limited guidance, the specific requirements that must be met by the product/solution
- understand the importance of testing to determine the success (or otherwise) of the product/solution and against the design specifications and, with guidance, design some simple tests.



As part of the investigation you have to research not only using the internet but also from other sources such as books, journals, magazines, people (interview) etc.

### Parts of Investigate Stage

- \* Problem (what do we need to solve?)
- \* Design brief (what will be your solution?)
- \* Research Questions (What do you need to know?)
- \* Resources/Bibliography (What are the useful info's?)
- \* Design Specifications (What features will your solution have?)
- \* Methods of Testing (How are you going to test your product?)

## CRITERION B: Design Stage

At the end of this stage you should be able to:

- generate a range of designs that attempt to meet the design specifications
- compare the designs against the design specifications
- select one design and explain its choice with guidance



The designs should include proper labels and descriptions. It consists of different layout designs of a single product. At this time, make sure you have consulted other teachers and gathered feedback on your designs. Informing them of your final design idea is a great idea!

## Design Stage

- **Broad range of design (min. 3 in total)**
- **Each design is evaluated & compared againsts the DS**
- **Final design is chosen and justified**
- **Feedback is a good way to justify your chosen design**

## CRITERION C: Plan Stage



## CRITERION D: Create Stage

**At the end of this stage you should be able to:**

- with guidance, use appropriate techniques and equipment competently
- ensure a safe working environment for themselves and others
- produce the product/solution of appropriate quality with minimal guidance

This stage is all about creating the product. During this stage, you must keep a **Process Journal** that should record what you have done each lesson and what you will do the next session. It is important to take photographs of your project as it is being built to show each step of production.

Make sure your work is of appropriate quality!



## CRITERION E: Evaluate

At the end of this stage you should be able to:

- consider the success (and/or failure) of the product/solution in an objective manner based on testing, your own views and the views of the intended user
- consider the impact of the product/solution on individuals and/or on society
- carry out tests to compare the product/solution against the design specification and explain how the product could be improved
- reflect on your performance at each stage of the design cycle and suggest ways to improve performance